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C l a i m s :

1. Sports shoe, especially a golf shoe, having a sole on which downwardly projecting ground-engaging elements are or can be mounted,
10 **characterized in that** the ground-engaging elements (9), or the means (10) provided for mounting them, are guided and held to move forward and backward along an arc, especially an arc of a circle.
2. The sports shoe as defined in Claim 1, **characterized in that** the ground-
15 engaging elements (9), or the elements (10) provided for mounting them, can be moved between a starting position and an end position.
3. The sports shoe as defined in Claim 1 or Claim 2, **characterized in that**
20 the ground-engaging elements (9), or the means (10) provided for mounting them, are provided on at least one support (12 to 17, 30 to 33) which is guided and held by guide means (2 to 7, 28, 34 to 37) to move along the arc.
4. The sports shoe as defined in Claim 3, **characterized in that** the support
25 (12 to 17, 30 to 33) can be moved between a starting position and an end position.
5. The sports shoe as defined in Claim 3 or Claim 4, **characterized in that**
30 the support (12 to 17, 30 to 33) is held undetachably by the guide means (2 to 7, 28, 34 to 37).
6. The sports shoe as defined in any of claims 3 to 5, **characterized in that** the support (12 to 17) is a slide.

- 5 7. The sports shoe as defined in any of claims 3 to 6, **characterized in that**
the guide means (2 to 7) is an arc-shaped groove that matches the
support (12 to 17).
- 10 8. The sports shoe as defined in Claims 6 and 7, **characterized in that** the
slide (12 to 17) is shaped in the form of an arc of a circle.
- 15 9. The sports shoe as defined in any of claims 3 to 8, **characterized in that**
two or more than two supports (12 to 17) are provided, which are arranged
in substantially concentric form and each of which is held and slidably
guided by separate guide means (2 to 7).
- 20 10. The sports shoe as defined in Claim 9, **characterized in that** at least one
support (12 to 15) is arranged in the region of the forefoot, and at least
one support (16, 17) is arranged in the region of the heel.
- 25 11. The sports shoe as defined in any of claims 3 to 10, **characterized in that**
the guide means (2 to 7, 28, 34 to 37) are closed on both ends thereof so
that the path of movement of the supports (12 to 17, 30 to 33) is limited.
- 30 12. The sports shoe as defined in any of claims 3 to 10, **characterized in that**
the guide means (2 to 7) are open on at least one of their ends so that the
respective support (12 to 17) can move a certain length out of its guide
means (2 to 7).
- 30 13. The sports shoe as defined in Claim 12, **characterized by** a stop (24, 25)
which acts between the support (12 to 17) and its guide means (2 to 7)
and against which the support (12 to 17) abuts in order to limit the length
by which it can move out of the guide means (2 to 7).

- 5 14. The sports shoe as defined in Claim 11 or Claim 13, **characterized in that** the support (12 to 17) has a starting position in which it ends flush with the edge of the sole (1).
- 10 15. The sports shoe as defined in Claim 14, **characterized in that** the support is a slide (12 to 17) which is adapted to slide in the guide means (2 to 7) and which in its starting position ends flush with and closes the opening of the groove (2 to 7) through which it can be pushed out beyond the edge of the sole (1).
- 15 16. The sports shoe as defined in any of claims 3 to 15, **characterized in that** the support (12 to 17) is shorter than the guide means (2 to 7) in which it is received.
- 20 17. The sports shoe as defined in Claim 16, **characterized in that** the guide means (2 to 7, 28, 34 to 37) coacts with a return spring 19 that is capable of returning the support (12 to 17, 30 to 33) to its starting position.
- 25 18. The sports shoe as defined in Claim 17, **characterized in that** the return spring is arranged in such a way that it embraces the center point of the arc of a circle.
- 30 19. The sports shoe as defined in any of claims 3 to 18, **characterized in that** a positive connection exists between the support (12 to 17, 30 to 33) and its guide means (2 to 7, 28, 34 to 37), by means of which it is retained in or on the guide means (2 to 7, 28, 34 to 37) during displacement along the latter.
- 35 20. The sports shoe as defined in Claim 19, **characterized in that** the guide means (2 to 7) are undercut along their longitudinal edges and that the respective support (12 to 17) engages the undercut.

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21. The sports shoe as defined in Claim 20, **characterized in that** the support (12 to 17) has a stepped design, matching the undercuts of the guide means (2 to 7).

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22. The sports shoe as defined in any of claims 19 to 21, **characterized in that** the support (12 to 17) and the guide means (2 to 7) engage each other in the way of a groove-and-tongue connection.

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23. The sports shoe as defined in any of claims 3 to 22, **characterized in that** the support (12 to 17, 30 to 33) is made from a plastic material.

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24. The sports shoe as defined in Claim 23, **characterized in that** the support (12 to 17, 30 to 33) is made from a plastic material having the same or similar properties as the sole 1 of the sports shoe.

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25. The sports shoe as defined in any of claims 3 to 24, **characterized in that** the support (30 to 33) is mounted on the shoe detachably.

26. The sports shoe as defined in Claim 25, **characterized in that** the support (30 to 33) is mounted on the sole (1) of the sports shoe at its center of rotation (28) which coincides with the center point of the arc-shaped path of movement of the support (30 to 33).

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27. The sports shoe as defined in Claim 25, **characterized in that** the support (30 to 33) is provided on a holder (27) which is detachably mounted on the sports shoe.

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28. The sports shoe as defined in Claim 27, **characterized in that** the holder comprises one or more clamping means by which it can be clamped onto the sports shoe.

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29. The sports shoe as defined in Claim 27, **characterized in that** the holder can be fastened on the sports shoe by buckles.

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30. The sports shoe as defined in Claim 27, **characterized in that** the holder comprises receiving means on which the sports shoe can be placed and firmly locked by application of pressure from above.

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31. Sports shoe, especially a golf shoe, having a sole which is provided with, or is adapted for receiving, downwardly projecting, ground-engaging elements, **characterized in that** the ground-engaging elements (9), or the means (10) provided for mounting them, are provided on at least one arc-shaped slide (12 to 17) which latter is undetachably held in a matching arc-shaped groove (2 to 7) to slide between a starting position and an end position.

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32. The sports shoe as defined in Claim 31, **characterized in that** two or more than two supports (12 to 17) are provided, which are arranged in substantially concentric form and each of which is held in a separate groove (2 to 7) in sliding relationship.

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33. The sports shoe as defined in Claim 32, **characterized in that** at least one slide (12 to 15) is arranged in the region of the forefoot, and at least one slide (16, 17) is arranged in the region of the heel.

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34. The sports shoe as defined in any of claims 31 to 33, **characterized in that** the grooves (2 to 7) are closed on both ends thereof.

35. The sports shoe as defined in any of claims 31 to 33, **characterized in that** the grooves (2 to 7) are open on one of their ends so that the

5 respective slide (12 to 17) can move a certain length out of its groove (2 to 7).

36. The sports shoe as defined in Claim 35, **characterized** by a stop (24, 25)
10 provided between the respective slide (12 to 17) and its groove (2 to 7),
 against which the slide (12 to 17) abuts in order to limit the length by
 which it can move out of the groove (2 to 7).

37. The sports shoe as defined in Claim 35 or Claim 36, **characterized in**
15 **that** in its starting position the respective slide (12 to 17) ends flush with
 and closes the opening of the groove (2 to 7) through which it can be
 pushed out beyond the edge of the sole (1).

38. The sports shoe as defined in any of claims 31 to 37, **characterized in**
20 **that** the respective slide (12 to 17) is shorter than the groove (2 to 7) in
 which it is received.

39. The sports shoe as defined in Claim 38, **characterized in that** a return
25 spring (19) is arranged in each groove (2 to 7) which spring is adapted to
 return the respective slide (12 to 17) to its starting position.

40. The sports shoe as defined in any of claims 31 to 39, **characterized in**
30 **that** a positive connection exists between the groove (2 to 7) and the slide
 (12 to 17), by which it is retained in the groove (2 to 7) during
 displacement in it.

41. The sports shoe as defined in Claim 40, **characterized in that** the
 grooves (2 to 7) are undercut along their longitudinal edges and that the
 respective slide (12 to 17) engages the undercut.

- 5 42. The sports shoe as defined in Claim 41, **characterized in that** the slide (12 to 17) is stepped to match the undercuts of the groove (2 to 7).
- 10 43. The sports shoe as defined in any of claims 40 to 42, **characterized in that** the slide (12 to 17) and the groove (2 to 7) engage each other in the way of a groove-and-tongue connection.
44. The sports shoe as defined in any of claims 31 to 43, **characterized in that** the slide (12 to 17) is made from a plastic material.
- 15 45. The sports shoe as defined in Claim 44, **characterized in that** the slide (12 to 17) consists of a plastic material having the same or similar properties as the remaining sole (1) of the sports shoe.
- 20 46. The sports shoe as defined in Claim 1 or 2, **characterized in that** the ground-engaging elements (9), or the means (10) provided for mounting them, coact with a return spring (19).
- 25 47. The sports shoe as defined in Claim 46, **characterized in that** the return spring is arranged in such a way that it embraces the center point of the arc of a circle.
- 30 48. The sports shoe as defined in any of the preceding claims, **characterized in that** the center of curvature (M, M₅, M₆, 28) of the arc is located in front of the heel or heel portion of the sports shoe.
49. The sports shoe as defined in Claim 48, **characterized in that** the center of curvature (M, M₅, M₆, 28) of the arc is located between the heel or heel portion and the forefoot portion of the sports shoe.

- 5 50. The sports shoe as defined in Claim 48, **characterized in that** the center of curvature (M, M₅, M₆, 28) of the arc is located between the heel or heel portion and the metatarsal portion of the sports shoe.
- 10 51. The sports shoe as defined in Claim 48, **characterized in that** the center of curvature (M, M₅, M₆, 28) of the arc is located at a point where the arch of the sole of the foot has its zenith.
- 15 52. The sports shoe as defined in Claim 3, **characterized in that** a common support (39), especially a plate, is provided for all engaging elements (9) outside the heel portion.
- 20 53. The sports shoe as defined in Claim 3, **characterized in that** a common support (38), especially a plate, is provided for all engaging elements (9) within the heel portion.
- 25 54. The sports shoe as defined in Claims 52 and 53, **characterized in that** the two supports (38, 39) have a common pivot axis (28).
55. The sports shoe as defined in Claim 54, **characterized in that** the two supports (38, 39) are arranged on the common pivot axis (28).
56. The sports shoe as defined in Claim 55, **characterized in that** the two supports (38, 39) form a single unit.